

INTERNATIONAL SEARCH REPORT

Inter. Application No
PCT/IB2004/051169

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B20/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/031106 A1 (OZAKI KOJI) 13 February 2003 (2003-02-13) paragraph '0006! - paragraph '0075!; figures	1-14
A	WO 01/22416 A1 (KONINKL PHILIPS ELECTRONICS NV) 29 March 2001 (2001-03-29) cited in the application page 2, line 1 - page 3, line 14 page 4, line 15 - page 20, line 22	1-14
A	EP 0 798 714 A (TOKYO SHIBAURA ELECTRIC CO) 1 October 1997 (1997-10-01) column 1, line 13 - column 3, line 9 column 8, line 29 - column 13, line 35	1-14

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- * & * document member of the same patent family

Date of the actual completion of the international search

17 November 2004

Date of mailing of the international search report

02/12/2004

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003031106	A1	13-02-2003	WO 0209109 A1	31-01-2002
WO 0122416	A1	29-03-2001	AU 7518400 A	24-04-2001
			BR 0007168 A	31-07-2001
			CA 2351502 A1	29-03-2001
			CN 1338102 T	27-02-2002
			CZ 20011795 A3	16-01-2002
			EP 1141956 A1	10-10-2001
			HU 0104869 A2	28-03-2002
			JP 2003510742 T	18-03-2003
			PL 347801 A1	22-04-2002
			TW 518573 B	21-01-2003
			US 2003210627 A1	13-11-2003
			US 6606285 B1	12-08-2003
EP 0798714	A	01-10-1997	JP 3113201 B2	27-11-2000
			JP 9265737 A	07-10-1997
			CN 1164092 A ,B	05-11-1997
			DE 69703597 D1	04-01-2001
			DE 69703597 T2	31-05-2001
			EP 0798714 A2	01-10-1997
			KR 262473 B1	01-08-2000
			US 5963522 A	05-10-1999
			US 5859823 A	12-01-1999